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# SERVICE BULLETIN

Classification:	Reference:	Date:
HA01-003A	NTB02-009A	March 18, 2002

## 1999-2002 QUEST REAR A/C OUTLETS BLOW WARM AIR

**ATTENTION: THIS BULLETIN HAS BEEN REVISED. The PARTS INFORMATION Section has been amended. Please discard all previously released copies of NTB02-009.**

**APPLIED VEHICLES:** 1999-2002 Quest (V41)

### SERVICE INFORMATION

If a 1999-2002 Quest exhibits the following symptom:

- Front Air Conditioner outlets blow cold air, but rear A/C outlets blow warm air,

The expansion valve on the rear evaporator assembly (located in the right rear quarter panel area) may be restricted by debris and/or may not be opening properly.

Use the Service Procedure provided in this bulletin to verify the incident and install a new expansion valve, if it should occur.

### SERVICE PROCEDURE

1. Verify that the symptoms exist as described in the Service Information section.

#### Outside the vehicle:

2. Discharge and recover all of the refrigerant from the A/C system.
3. Remove the right-hand rear wheel.
4. Remove the Air Conditioner line protector in front of the right rear wheel housing.
5. Remove the retainer nuts from the high and low-side connections at the right rear wheel housing.
6. Separate the high and low-side line connectors under the right-hand rear side panel.
7. Remove the A/C line panel in front of the wheel housing.

#### Inside the vehicle:

8. Remove the 2<sup>nd</sup> and 3<sup>rd</sup> row floor mats.
9. Remove the 2<sup>nd</sup> row bench or bucket seats.
10. Slide the 3<sup>rd</sup> row seat fully forward.
11. Remove the right hand 2<sup>nd</sup> and 3<sup>rd</sup> row seat belt anchor bolts.
12. Unscrew the four screws from the right-hand parcel shelf support and remove the support.
13. Remove the two push-type panel finishers in front of and behind the right-hand side panel.
14. Disconnect the right-hand speaker connector.
15. Remove the right-hand rear side panel.
16. Remove the rear evaporator assembly mounting bolts and disconnect the blower motor resistor connector and blower motor connector.

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17. Remove the rear evaporator assembly. Place it **carefully** on a workbench.
18. Remove the sealer/black gummy insulator wrapped around the rear expansion valve and thermo. tube/bulb.
19. Remove the rear expansion valve and thermo. tube/bulb from the rear evaporator assembly
20. Inspect the inside of the high-side line for debris. If debris is found, remove it by blowing clean compressed shop air into the high-side line (see Figure 1).

**CAUTION:** Place a shop rag over the opposite end of the high-side line to protect yourself from any debris discharged during this step.

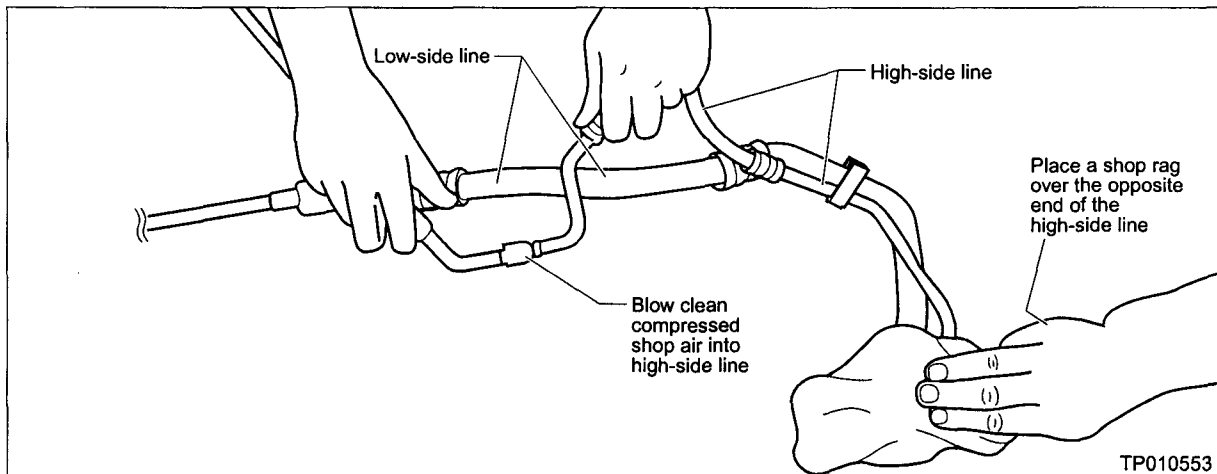


Figure 1

21. Install the new expansion valve and re-attach the high-side line and evaporator tube using new o-rings (see the PARTS INFORMATION section for more information).
22. Wrap one piece each of Seal/Insulator around the replacement rear expansion valve and thermo. tube/bulb (see the PARTS INFORMATION section for more information).
23. Reinstall the rear evaporator assembly.
24. Evacuate and confirm the system holds a vacuum.
25. Replace any oil removed from the system. Refer to the appropriate page(s) in Section HA of the applicable model year Service Manual for more information.
26. Recharge the system to the specifications provided on the Rear A/C Information Label.
27. Perform the A/C System Performance Test to verify the system is performing to established specifications. Refer to the appropriate page(s) in Section HA of the applicable model year Service Manual for more information.
28. Run the rear A/C to confirm that the rear A/C outlets now blow cold air.
29. Reinstall all finisher parts, mats, etc. removed, in reverse order.

## PARTS INFORMATION

DESCRIPTION	PART #	QUANTITY
Expansion Valve	92200-2Z300	1
O-Ring 3/8" ID (for High-side line)	92477-7B002	1
O-Ring 1/2" ID (for Evaporator tube)	92476-2Z300	1
Seal/Insulator (for Thermo. Tube/Bulb and Expansion Valve)	27288-9E001	2

## CLAIMS INFORMATION

Submit a Primary Failed Part (PP) line claim using the following claims coding

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
RPL Expansion Valve	92200-2Z300	TF11AA	GB	32	(1)
Evacuate & Recharge		TB777A			(1)

(1) Please reference the current Nissan "Warranty Flat Rate Manual" and use the indicated FRT.

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